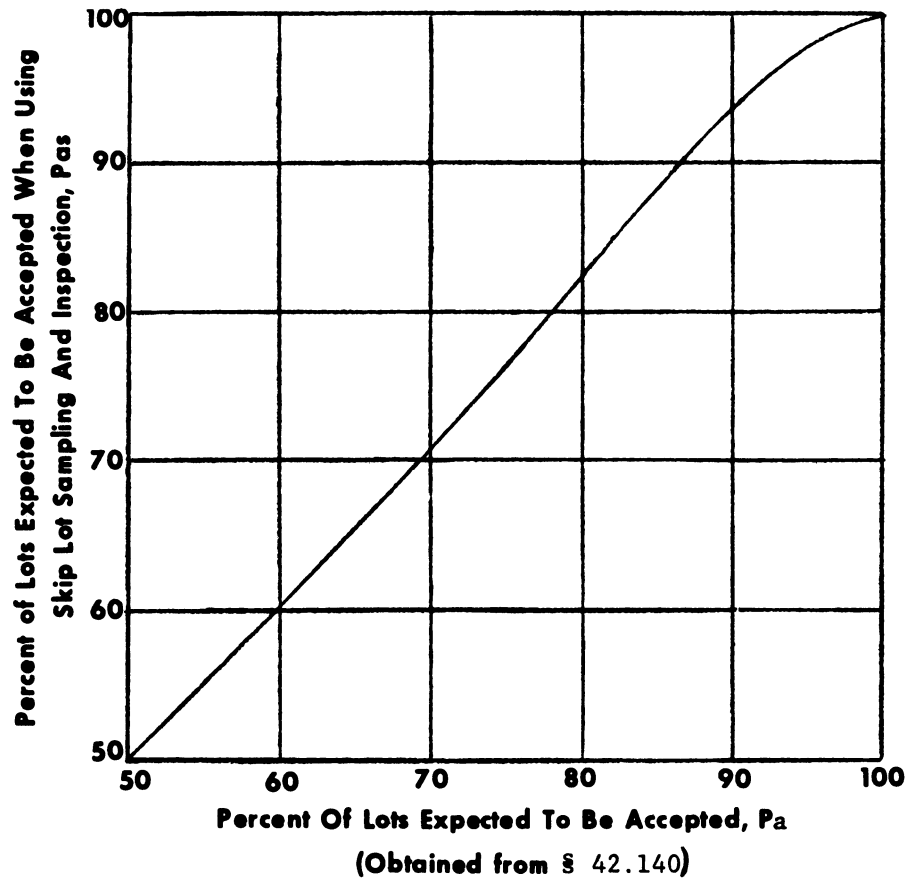


§ 42.142 Curve for obtaining Operating Characteristic (OC) curve information for skip lot sampling and inspection.



NOTES: 1. This curve applies only to the specific skip lot sampling and inspection plan described in § 42.121 and § 42.123.

2.  $P_a$  and  $P_{as}$  are essentially equal for values under 50 percent.

[41 FR 42641, Sept. 28, 1976. Redesignated at 42 FR 32514, June 27, 1977 and further redesignated at 45 FR 69424, Oct. 21, 1980 and 46 FR 63203, Dec. 31, 1981]

**§ 42.143 Operating Characteristic (OC) curves for on-line sampling and inspection.**

(a) This section contains the Operating Characteristic (OC) curve for each of the on-line cumulative sum sampling plans provided in subpart D. The OC curve and the corresponding cumulative sum sampling plans are listed by AQL.

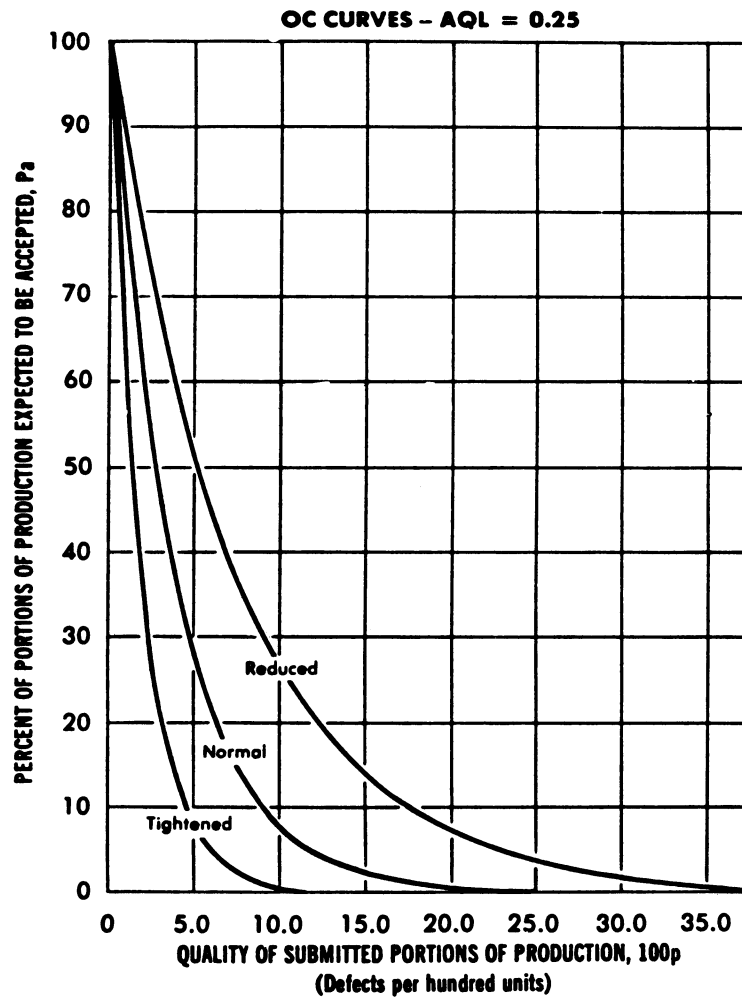
(b) Different plan parameters used to make acceptance and rejection decisions are provided for each AQL.

(c) The curves show the ability of the various cumulative sum sampling plans to distinguish between good and bad portions of production. The interpretation of these curves for portions of production is similar to the interpretation of the OC curves for stationary lots as illustrated in § 42.140(c).

REDUCED, NORMAL AND TIGHTENED INSPECTION PLANS—CUMULATIVE SUM SAMPLING PLANS AND  
OPERATING CHARACTERISTIC (OC) CURVES FOR AQL=0.25 DEFECTS PER HUNDRED UNITS  
[Sampling plans—AQL=0.25]

Identification name of OC curves											
Reduced				Normal				Tightened			
$n_g$	T	L	S	$n_g$	T	L	S	$n_g$	T	L	S
13	0	0	0	25	0.05	0.95	0.35	50	0.1	0.9	0.3

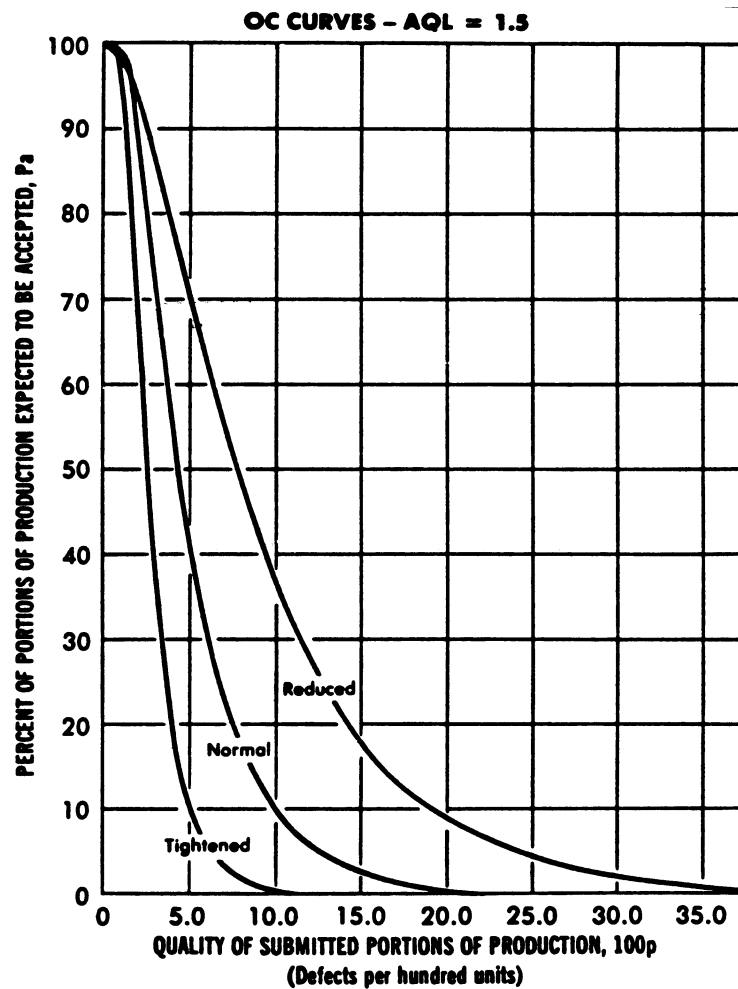
$n_g$ =Number of sample units in a subgroup. T=Subgroup tolerance. L=Acceptance limit. S=Starting value.



REDUCED, NORMAL, AND TIGHTENED INSPECTION PLANS—CUMULATIVE SUM SAMPLING PLANS AND  
 OPERATING CHARACTERISTIC (OC) CURVES FOR AQL=1.5 DEFECTS PER HUNDRED UNITS  
 [Sampling plans—AQL=1.5]

Identification name of OC curves											
Reduced				Normal				Tightened			
$n_g$	T	L	S	$n_g$	T	L	S	$n_g$	T	L	S
13	0.5	0.5	0	25	0.5	2	1	50	0.8	1.6	0.4

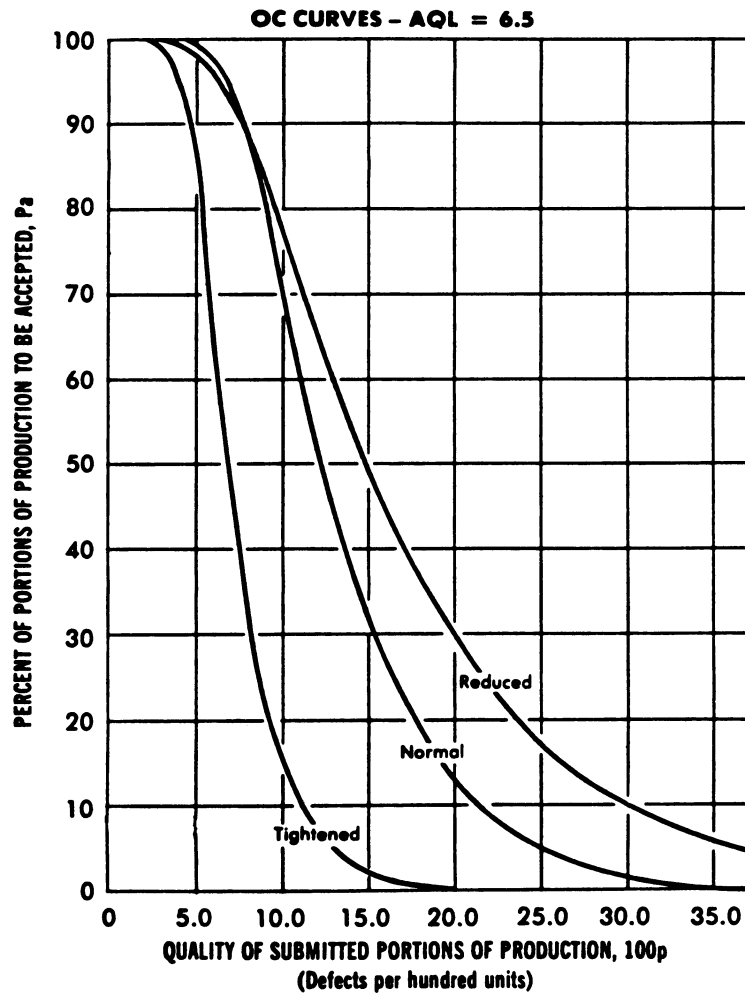
$n_g$ =Number of sample units in a subgroup. T=Subgroup tolerance. L=Acceptance limit. S=Starting value.



REDUCED, NORMAL, AND TIGHTENED INSPECTION PLANS—CUMULATIVE SAMPLING PLANS AND  
OPERATING CHARACTERISTIC (OC) CURVES FOR AQL=6.5 DEFECTS PER HUNDRED UNITS  
[Sampling Plans—AQL=6.5]

Identification name of OC curves											
Reduced				Normal				Tightened			
$n_g$	T	L	S	$n_g$	T	L	S	$n_g$	T	L	S
13	1	2	1	25	2	3	1	50	2.5	3	1

$n_g$ =Number of sample units in a subgroup. T=Subgroup tolerance. L=Acceptance limit. S=Starting value.



[45 FR 69424; Oct. 21, 1980. Redesignated at 46 FR 63203, Dec. 31, 1981]